

319
~~309~~ A method of treating cancer comprising administering to said mammal in need of such treatment an amount of Newcastle disease virus effective for treating said cancer, wherein said cancer is selected from the group consisting of lung carcinoma, endometrial carcinoma, ovarian carcinoma, Wilm's tumor, fibrosarcoma, osteosarcoma, synovial sarcoma, neuroblastoma, and glioblastoma.

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310. A method as in claim 308 or 309 wherein said Newcastle disease virus is strain MK107.

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311. A method as in claim 308 or 309 wherein said virus is administered by a route selected from the group consisting of intravenous, intraperitoneal, intramuscular, endoscopic, oral and topical administration.

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312. A method as in claim 308 or 309 wherein said virus is administered by the intravenous route.

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313. A method of treating cancer comprising administering to said mammal in need of such treatment Newcastle disease virus, wherein said Newcastle disease virus is of a moderate virulence, and which alone is cytolytic for said cancer, at a dose of about 4×10^8 to about 4×10^{10} PFU per kg of body weight of said mammal.

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314. A method of treating cancer comprising administering to said mammal in need of such treatment Newcastle disease virus at a dose of about 4×10^{10} to about 4×10^{12} PFU per kg of body weight of said mammal.

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315. A method as in claim 314 wherein said administering step is by a route of administration selected from the group consisting of intravenous, intramuscular, intralesional, endoscopic, oral and topical.

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~~316. A method as in claim 313 or 314, wherein said administering step is made in multiple doses.~~

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317. A method of reducing the size of a tumor in a mammal having a tumor comprising administering to said mammal an amount of Newcastle disease virus effective to reduce the size of said tumor using a route of administration selected from the group consisting of intravenous, endoscopic, oral and topical administration.

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318. A method as in claim 317 wherein said virus is administered by the intravenous route.

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319. A method of treating cancer in a mammal having cancer comprising administering an effective amount of

- i) Newcastle disease virus, which alone is cytolytic for said cancer and
- ii) a chemotherapeutic agent, a cytokine, or an immunosuppressive agent.

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320. A method of treating a human cancer comprising administering to a human in need of such treatment an amount of Newcastle disease virus effective for treating said cancer, which alone is cytolytic for said cancer, using a route of administration selected from the group consisting of intraperitoneal, endoscopic, oral and topical administration.

REMARKS

Reconsideration and allowance of the above-identified application is respectfully requested.

The claims have been rewritten to more distinctly claim the subject invention. All claims are directed to a method of treating cancer or a method of reducing the size of a tumor. Support